INTERNATIONAL SEARCH REPORT

International Application No
PCT/HII2004/000083

		PCT	/HU2004/000083			
A. CLASSI IPC 7	ification of subject matter A61M5/30					
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According to	 international Patent Classification (IPC) or to both national classi 	fication and IPC				
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Minimum do	ocumentation searched (classification system followed by classific A61M	ation symbols)	<u></u>			
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Documenta	ation searched other than minimum documentation to the extent that	t such documents are included in t	he fields sagmhed			
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Electronic d	data base consulted during the International search (name of data	base and, where practical, search t	erms used)			
	iternal, WPI Data		,			
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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.			
х	GB 681 098 A (SCHERER CORP R P)		1-3,5			
	15 October 1952 (1952-10-15)	. 1.10				
•	page 2, line 80 - line 90; figu page 3, line 14 - line 54	res 1-13				
	page 5, line 87 - page 6, line	61				
Х	WO 03/066143 A (BUTTY JEAN-FRAN	COIS:	1,4,5			
	NERACHER ARNOLD (CH))					
	14 August 2003 (2003-08-14) figures 1-4					
	page 5, line 22 - page 11, line	25				
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X Furth	ner documents are listed in the continuation of box C.	X Patent family members	are listed in annex.			
° Special cat	tegories of cited documents :	"T" later document oublished aft	er the international filling date			
consid	'A" document defining the general state of the art which is not considered to be of particular relevance. Considered to be of particular relevance. Considered to be of particular relevance.					
"E" earlier d filing d	E" sarlier document but published on or after the international "X" document of particular relevance; the claimed invention					
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another and the considered to involve an inventive step when the document is taken alone						
Citation or other special reason (as specified) Cannot be considered to involve an inventive step when the document referring to an oral disclosure, use, exhibition or document is combined with one or more other such docu-						
other means ments, such combination being obvious to a person skilled in the art.						
"&" document member of the same patent family						
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8	November 2004	1 8 01 2	005			
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer				
	NL - 2280 HV Rijswijk					
	Fax: (+31-70) 340-3016 .	Reinbold, S				

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		PCT/HU2004/000083
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Χ -	WO 03/000319 A (DISETRONIC LICENSING AG; SCHIFFMANN FRANK (CH); HJERTMAN BIRGER (SE)) 3 January 2003 (2003-01-03) page 5, paragraph 2 - page 7, paragraph 1; figures 1-5 page 7, paragraph 8 - page 9, paragraph 3 page 11, paragraph 3 - paragraph 4	1
A	US 4 722 728 A (DIXON ALAN J) 2 February 1988 (1988-02-02) cited in the application column 4, line 51 - column 5, line 25; claims 1-11; figures 1-6	1-5
A .	US 2002/055712 A1 (NERACHER ARNOLD) 9 May 2002 (2002-05-09) paragraph [0008] - paragraph [0010]; figures 1-38 paragraph [0101] - paragraph [0105] paragraph [0157] - paragraph [0164]	1-5
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WO	03066143	A	14-08-2003	WO	03066143	A1	14-08-2003	
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INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-5
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5

These claims essentially define a needleless injection device comprising:

- a lower part
- an upper part
- energy store units
- lock means
- means for releasing the lock
- a start unit of storing min. 60% of the discharge energy separate stuctural components for streching the start unit (technical effect: injection without an impact with the piston)

2. claims: 6-10

These claims essentially define a needleless injection device comprising:

- a lower part
- energy storage units
- lock means
- means for releasing the lock
- lower part is conical
- the shape of the cartridge is a truncated cone
 the angle of inclination of the cartridge is equal to the conical angle of the interior of the lower part
- discharge hole

(technical effect: to fit the cartridge into the lower part firmly and jointlessly)

3. claims: 11-14

These claims essentially define a cartridge comprising:

- a diameter from 0,2 mm for the discharge hole
- a piston
- a cylindrical interior
- a wall thickness

(technical effect: reduce the price of the cartridge)